

# **County of San Diego Community Profiles**

## **Maternal & Child Health Profile by Region**

### **REGIONS:**

North Coastal

North Central

Central

South

East

North Inland

**This page is intentionally left blank.**

# Acknowledgements

---

**We acknowledge the contributions of the following individuals for their work in the preparation of this document:**

Sanaa Abedin, MPH, Epidemiology & Immunization Services Branch  
Isabel Corcos, PhD, MPH, Emergency Medical Services  
Susan Farrish, MD, Emergency Medical Services  
Lorri Freitas, MPH, Epidemiology & Immunization Services Branch  
Lacey Hicks, MPH, Epidemiology & Immunization Services Branch  
Sutida (Nid) Jariangprasert, MPH, Maternal, Child and Family Health Services  
Beth Jarosz, San Diego Association of Governments (SANDAG)  
Jeff Johnson, MPH, Epidemiology & Immunization Services Branch  
Amelia Kenner, MPH, CPH, Office of Business Intelligence  
Marjorie Lee, MPH, Sexually Transmitted Diseases and Hepatitis Prevention Program  
Marisa Moore, MD, MPH, Tuberculosis Control  
Jennifer Nelson, MPH, Epidemiology & Immunization Services Branch  
Leslie Ray, MPH, MPPA, MA, Community Health Statistics, Emergency Medical Services  
Alicia Sampson, MPH, CPH, Community Health Statistics  
Alan Smith, PhD, MPH, Emergency Medical Services  
Barbara Stepanski, MPH, Emergency Medical Services  
Samantha Tweeten, PhD, MPH, Epidemiology & Immunization Services Branch  
Jessica Yen, MPH, Epidemiology & Immunization Services Branch

**Thank you to the following individuals for their leadership and support in making this project possible:**

Nick Macchione, M.S., MPH, FACHE, Director, Health and Human Services Agency  
Wilma J. Wooten, MD, MPH, Public Health Officer  
Eric McDonald, MD, MPH, Deputy Public Health Officer  
Marcy Metz, RN, CEN, Chief of Emergency Medical Services

## Table of Contents – San Diego County Maternal & Child Health Profile

[Click on a topic to jump to that section in the Profile](#)

▪ <b>Introduction .....</b>	<b>p 5</b>
▪ <b>Data Guide .....</b>	<b>p 8</b>
<b>Important Information for Data Users</b> – including explanation of Regional Boundaries	
Data Sources	
Glossary of Health Terms	
▪ <b>San Diego County Maternal &amp; Child Health Profile .....</b>	<b>p 20</b>
<b>Geographic Maps</b>	
Geographic Boundary Map	
Median Age Map	
Median Income Map	
Hospital Resource Map	
<b>Maternal &amp; Child Health Data</b>	
Live Births, Total	
Live Births to Girls, Ages 15-17 years	
Live Births Where Mother Received Early Prenatal Care	
Preterm Births	
Low Birth Weight Births	
Very Low Birth Weight Births	
Fetal Mortality	
Infant Mortality	

# **INTRODUCTION**

## Introduction

---

### Community Health Statistics

The Community Health Statistics unit was created to provide a means of sharing information about the health behaviors, diseases, injuries, and demographic characteristics of specific populations in San Diego County. This unit aims to supply health professionals with community level data describing the health trends and needs of the residents of our County. Community Health Statistics also provides or refers persons to available local, state and national statistics.

### Purpose

This profile is a compilation of information made available to the public health community and public policy-makers to better understand and manage the health and well-being of the residents of our County.

The purpose of this profile is to provide detailed information about the health and characteristics of the people living in San Diego County. It is designed to help the Health and Human Services Agency staff in each of the Health and Human Services Regions (Regions) identify problems and priority needs within their communities.

### Regional Data

Please see [Important Information](#) in the data guide section for explanation of geographic boundaries as well as information on methods used here, age adjusted rates, and notes on comparing data.

### Navigating the Document

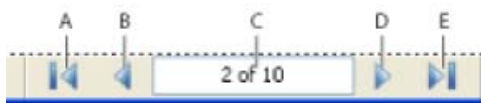
This PDF document is intended for electronic viewing, online or downloaded to your computer; this allows full navigation ability to jump through the document. This document is updated periodically throughout the year. Using the online version will preserve the links and full navigation ability as well as ensure the most recent version of the document is being used.

**Use links** to jump to a section or page from a list

The Table of Contents (page 4) has many links to quickly jump to the specific section of interest. Within the document, some title pages have lists that are linked to quickly jump to a topic within a section. These links are not underlined, but can be identified when the hand icon (👉) turns into a pointing hand (👈) when hovering over an item.

There are also links outside the document for more information on a subject. These are underlined and require internet access. They may be identified by the pointing hand with a “w” for web access.

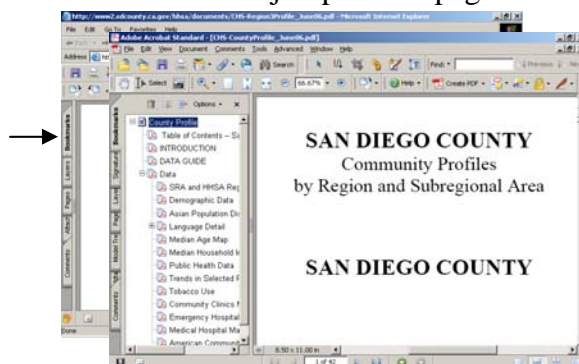
Use the **navigation bar** at the bottom of the window to move through a document:



- A- go to 1<sup>st</sup> page
- B- go back one page
- C- enter a page number to go to
- D- go forward one page
- E- go to last page

Use **bookmarks** to jump to a section

This is a built-in table of contents that is viewed to the side of the document and can be left open while viewing the document. To access this, click on the bookmarks tab on the left side of window. Use the (+) or (-) symbols to expand or collapse the list. Click on a bookmark to jump to that page.



*For more information, contact:*

Alicia Sampson, Epidemiologist & Statistician

Leslie Upledger Ray, Senior Epidemiologist

County of San Diego, Community Health Statistics at Emergency Medical Services

6255 Mission Gorge Road, San Diego, CA 92120

(619) 285-6429 (office)

[alicia.sampson@sdcounty.ca.gov](mailto:alicia.sampson@sdcounty.ca.gov)

[leslie.ray@sdcounty.ca.gov](mailto:leslie.ray@sdcounty.ca.gov)

# DATA GUIDE



## Important Information for Data Users

---

### Please Review This Section Before Using the Following Public Health Data

For abbreviations used in data sources, see Data Sources.

#### Diagnoses:

Disease definitions for most indicators are based on ICD-CM coding. Two versions of ICD coding are used in this document depending upon the data source, ICD-9 or ICD-10. ICD-CM based data for San Diego is comparable whether obtained using the 9<sup>th</sup> or 10<sup>th</sup> revision; codes used are listed in footnotes for appropriate tables. Healthy People 2010, USA, California data are shown if available and comparable to local data.

The death data used in this document only include underlying cause of death. That means that deaths are categorized only by the disease or injury that initiated the chain of events leading to death and not by the immediate cause or any other contributing causes. For example, a diabetic who died of heart disease resulting from complications of diabetes would only be included among diabetes-related deaths. Similarly, Hospital Discharge and Emergency Department Discharge data is reported by the primary diagnosis at time of discharge for which the medical encounter occurred. In some cases, indicators are based on case definitions; meeting specified clinical and/or laboratory criteria not ICD-CM coding.

#### Comparing Data:

Caution must be used when exploring data from multiple sources or even the same data prepared by different analysts; comparisons may not be appropriate. Attention to accompanying information is important in order to note differences including, but not limited to: data sources, data preparation, diagnosis/case definitions, rate constant (i.e. per 100,000 or 1,000), geographic units, persons included in the data (i.e. location of occurrence vs. location of residence, or among live births not total pregnancies).

Data from different tables must not be modified (i.e. aggregated or subtracted). For example, pedestrian deaths can not be added to nonfatal pedestrian injuries to determine total injuries. In this case, one database is recorded by location of residence, while the other is by location of occurrence. If you need assistance or additional data not contained here, please contact the Community Health Statistics unit.

#### Geography: Understanding Geographic Units used in Health Data

Many different geographic units are used throughout San Diego County. In this document, boundaries for Regions and Subregional Areas (SRA) used here are based on census tracts and approximate Health and Human Service Agency Region (HHSAR)

Region) boundaries which are based on zip codes. The exception to this is California Health Interview Survey (CHIS) data, which use zip code based HHSA Regions.

Many data users have expressed the desire for community level data, beyond the HHSA Region (which are large aggregations of zip codes). Several levels of geography may be considered, such as, Subregional Area, Census Tract, Zip Code, or City. In order to provide community level health data and compare populations, it is important to have stable geographic units and units that are compatible with population data estimates.

While most health data is reported by zip code, zip codes may change at any time throughout the year – making annual aggregated estimates difficult. Additionally, since zip codes may change from one year to the next, comparing zip code data over time may introduce a level of imprecision. Subregional Areas (SRAs) are small, community level geographic units based on census tracts which are stable between census years (i.e. change only every 10 years, if at all). Population estimates are available at this level with high level of accuracy. However, health data for an SRA must be estimated based on reported zip code data.

#### Types of data available for Geographic Boundaries

Zip Codes:	Census Tracts:
HHSA Region	Subregional Area (SRA)
Health Services	Major Statistical Area (MSA)
	Region (approximated HHSA Region)

In this document community level (SRA) data is aggregated to larger regional levels. Currently, Region aggregations based on SRAs closely approximate, but do not directly correspond to HHSA Regions. In order to have more accurate community level data and enable reliable comparisons over time and place, SRA Region aggregations are used in lieu of HHSA Regions. Other data preparers that provide direct HHSA Region level data may differ slightly from the data presented here; however, any difference would not be expected to impact any decisions related to policy, planning, or resources for any particular area. There are 3 zip codes which are primarily affected by the differences in method of aggregation to Region or HHSA Region (see table below). A list of zip codes representing each Region is included at the beginning of the Region section within each Profile, as well as a complete listing in the County Profile.

Again, the only data in this document to which the above information *does not* apply is the CHIS (California Health Interview Survey) data in the Public Health Data Section. Data in this survey is collected by HHSA Region and can not be estimated for SRA based Regions.

#### Methods of Aggregating Data

HHSA	Community Profiles		
HHSA REGION	Zip Code	Subregional Area (SRA)	Region
North Coastal	92014	Del Mar-Mira Mesa	North Central
North Coastal	92091	North San Diego	North Inland
North Central	92131	Poway	North Inland

### **Rates, Age Adjusted Rates: Understanding Rates and Age Adjusted Rates**

The public health data in the Community Profiles includes crude rates (from this point forward referred to as rates) for Regional and Subregional (SRA) level data. Additionally, age adjusted rates are provided for County level data in many cases.

For comparison, Healthy People 2010 Targets are included, along with comparable USA and California rates. Many Healthy People 2010 Targets are based on age adjusted rates; these are indicated by “age adjusted population”. When a Healthy People target listed is based on an age adjusted rate, the comparable rates for USA and California are also age adjusted.

A rate is the number of cases divided by the population, usually multiplied by a constant. For example 987 cases, divided by population of 654,321 would be a rate of 150.8 per 100,000 population. This means for every 100,000 people, 150-151 cases would be expected.

Calculations of age adjusted rates are slightly more complex. They take into account the age of each case relative to a standard age distribution of a reference population. Recently a new reference population was determined referred to as “2000 US standard population”, previously used was a reference population from 1940. The 2000 US standard population proportions more closely reflect the current age distribution of the entire US population.

Age adjusted rates represent the rates that would be expected if a population of interest had the same age distribution as the standard population. This removes the effect of age when comparing rates to identify risk in a population. This is important in many cases when comparing risk “across populations with different underlying age structures”<sup>1</sup>.

Since many causes of mortality disproportionately affect older persons, disease mortality is often reported as age adjusted rates. This is the case with many Healthy People 2010 Targets, particularly death rates.

Age adjusted rates are used to compare relative risk (over time or between populations), while removing the effect of differences in the age of a population. Age-adjusting shows differences between groups that are not due to differences in age distribution. “Age adjusted rates should be viewed as relative indexes rather than as direct or actual measures” of risk<sup>1</sup>.

For many users of this data the magnitude of an issue is important, not only the risk outside of age. Often planning and resource needs are based on data. In this case, knowing that a group contains an older population is valid & important for planning for those diseases which affect different aged population sectors.

Additionally, differences may be due to other reasons besides age, such as gender or race/ethnicity. One may want to consider several of these demographic factors when

examining a health issue. Each Profile contains demographic data for each Region and SRA, including: age, gender, race/ethnicity distributions, income, occupation, housing and education data. Many of these factors have been implicated at the roots of health disparities.

1: <http://wonder.cdc.gov/wonder/help/ucd.html>

## Data Sources

---

Health and demographic data are available from a variety of sources, represented by three different categories of data. Population data, such as the census, is collected from the entire population. Sample or survey data are collected from a portion of the population, and extrapolated to represent the entire population. Administrative data are collected based on an organization's day-to-day operations, such as the prehospital database. The following data sources were used in the preparation of this report.

*American Community Survey (ACS):* ACS is a new nationwide survey designed to provide communities a fresh look at how they are changing. It is intended to eliminate the need for the long form in the 2010 Census. The ACS collects information from U.S. households similar to what was collected on the Census 2000 long form, such as income, commute time to work, home value, veteran status, and other important data. Information is available by county.

*Emergency Department Data (ED Data):* ED data is collected and maintained for most emergency hospitals in San Diego County. ED data elements include patient's home zip code, demographic information, source of payment, disposition, diagnoses and procedures performed for all patients treated and discharged from the ED.

*HIV/AIDS Reporting System (HARS):* HARS is used to report HIV and AIDS cases in San Diego County. HIV reporting began recently (July 2002), has not been evaluated and therefore is not available for zip code level analysis. The number of AIDS cases is available by zip code if the total is 5 or more.

*Hospital Discharge Data:* Discharge data is collected and maintained for most inpatient facilities in San Diego County. Discharge data elements include patient's home zip code, demographic information, source of payment, disposition, diagnoses and procedures performed for all patients admitted to the hospital for any condition.

*Medical Examiner's Data:* EMS receives an Investigative Summary and Autopsy for every individual who dies in San Diego County from a traumatic injury. Medical Examiner's Records contain injury related information including date and time of injury, incident location, patient home zip code, external cause of injury (ICD9 CM E code), age, sex, race/ethnicity, vehicle make and type, law enforcement agency and report number, mechanism of injury and detailed narrative of injuries sustained.

*Prehospital Database:* EMS receives a prehospital patient record (PPR) for every patient seen by a paramedic or emergency medical technician from 911 calls. The PPR contains information including demographics, incident zip code location, chief complaint, patient status, injury event information, restraint use, contributing factors, times and outcomes. At this time, only those calls in which paramedic or EMT made contact with a MICN at a base hospital are included in this data.

*San Diego Association of Governments (SANDAG):* SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. Demographic data includes population characteristics like age, education, and employment. SANDAG develops annual demographic estimates and long range forecasts in addition to maintaining census data files. Data is available by County, SRA, zip code, and census tract.

*STD Morbidity Surveillance Data:* Data is available for three STDs: Chlamydia, gonorrhea and syphilis (primary and secondary). Information on age, gender, race/ethnicity are available for all 3 diseases. Data is also available at the zip code level, although this data is incomplete.

*Statewide Integrated Traffic Record System (SWITRS):* SWITRS is traffic collision data collected by the California Highway Patrol. Collisions with personal injury on public roads are included. Detailed information on the circumstances of the crash, drivers, passengers, and other victims are available by incident zip code.

*Trauma Registry:* EMS receives a Trauma Registry for every trauma patient admitted to any of the designated trauma center hospitals who meets one or more of the following criteria: length of hospitalization of 24 hours or more, death due to traumatic injuries, or transfer to or from another acute care hospital.

*Vital Records Data:* A birth certificate is required for every live birth in San Diego County; a death certificate is completed for every person who dies in San Diego County. Vital records data includes information on birth (e.g. weight) or death (e.g. underlying and contributing causes of death) and basic demographic information by zip code.

Additional abbreviations used in sources:

CA DPH – State of California, Department of Public Health

CDC – Centers for Disease Control and Prevention

CHIP – Community Health Improvement Partners

HASD & IC – Hospital Association of San Diego & Imperial Counties

NCHS – National Center for Health Statistics

NVSS- National Vital Statistics System

OSHPD – California Office of Statewide Health Planning and Development

# **GLOSSARY:**

## **Health Indicator Terms**

## Glossary of Health Indicator Terms

---

The following are definitions of health indicator terms for population and service data used in this document, including which databases data comes from (noted in italics). For more information, see **Data Sources**.

Disease data here represent only principal diagnoses (or underlying cause of death) and do not include secondary diagnoses. Injury data using ICD10 coding (death) only uses underlying cause of death; injury data using Ecodes from Emergency Department and Hospital discharges include only primary Ecode (mechanism of injury).

The majority of the data here are reported by location of residence of the subject. Non-fatal motor vehicle injury data from SWITRS is reported by location of occurrence; while motor vehicle death data (from Death Statistical Master Files) is reported by location of residence.

### Population and Service Data Definitions:

**Coronary Heart Disease:** ischemic and hypertensive heart disease, ICD9 codes 402, 410-414, 429.2; ICD10 codes I11, I20-I25. *Death, Hospital, Emergency Department.*

**Cardiac Chief Complaint:** cardiac chest pain, congestive heart failure, palpitations and STEMI (st-elevation myocardial infarction). *Prehospital (911).*

**Stroke:** cerebrovascular disease, ICD9 codes 430-438; ICD10 codes I60-I69. *Death, Hospital, Emergency Department.*

**Stroke Chief Complaint:** cardiovascular accident (cva). *Prehospital (911).*

**Diabetes:** Diabetes Mellitus, includes insulin-dependent and non insulin-dependent diabetes, ICD9 code 250; ICD10 codes E10-E14. *Death, Hospital, Emergency Department.*

**Asthma:** ICD9 code 493; ICD10 codes J45-J46. *Death, Hospital, Emergency Department.*

**Chronic Obstructive Pulmonary Disease (COPD):** ICD9 codes 490-492, 496; ICD10 codes J40-J44. *Death, Hospital, Emergency Department.*

**Respiratory-related Chief Complaint:** asthma, chronic obstructive pulmonary disease (COPD) and respiratory distress. *Prehospital (911).*

**Female Breast Cancer:** ICD10 code C50. *Death.*

**Prostate Cancer:** ICD10 code C61. *Death.*

**Cervical Cancer:** ICD10 code C53. *Death.*



**Colorectal Cancer:** cancer of the colon, rectum or anus, ICD10 codes C18-C21. *Death.*

**Lung Cancer:** cancer of the trachea, bronchus or lung, ICD10 codes C33-C34. *Death.*

**Arthritis:** ICD9 codes 95.6, 95.7, 98.5, 99.3, 136.1, 274, 277.2, 287.0, 344.6, 353.0, 354.0, 355.5, 357.1, 390, 391, 437.4, 443.0, 446, 447.6, 696.0, 710-716, 719.0, 719.2-719.9, 720-721, 725-727, 728.0-728.3, 728.6-728.9, 729.0-729.1, 729.4. *Hospital, Emergency Department.*

**Dorsopathies:** ICD9 codes 720-724. *Hospital, Emergency Department.*

**Tuberculosis (TB):** new active cases reported to and confirmed by County Public Health Services, see [CDC clinical case definition](#). *TB Registry.*

**Chronic Hepatitis C:** cases reported by providers\* to County Public Health Services, see [CDC clinical case definition](#). *Hepatitis Reporting.*

**AIDS:** new cases reported by providers\* to County Public Health Services, cases need not be investigated and confirmed, see [CDC clinical case definition](#). *HIV/AIDS Reporting System.*

**Chlamydia:** new cases reported by providers\* to County Public Health Services, cases need not be investigated and confirmed, see [CDC clinical case definition](#). For estimated Chlamydia (Regional Tables), cases with unknown residence are statistically distributed to Regions to better estimate Regional needs. SRA Tables do not include a substantial number of cases reported in San Diego County, due to cases with unknown residence. Approximately 30%, or 2500 Chlamydia cases per year, are missing residence data. Chlamydia numbers are underestimated at the SRA level. *STD Reporting.*

**Gonorrhea:** new cases reported by providers\* to County Public Health Services, cases need not be investigated and confirmed, see [CDC clinical case definition](#). For estimated Gonorrhea, cases with unknown residence are statistically distributed to Regions to better estimate Regional needs. SRA Tables do not include a substantial number of cases reported in San Diego County, due to cases with unknown residence. Approximately 30%, or 600 gonorrhea cases per year, are missing residence data. Gonorrhea numbers are underestimated at the SRA level. *STD Reporting.*

**Primary and Secondary Syphilis:** new cases reported to and confirmed by County Public Health Services, see [CDC clinical case definition](#). *STD Reporting.*

**Live Birth:** a product of conception, which after complete expulsion or extraction from the mother, breathes or shows any other evidence of life. This is not synonymous with the term “pregnancy”, which can result in a miscarriage, fetal death, induced abortion or live birth. *MCFHS.*

**Early Prenatal Care:** Care beginning during the 1<sup>st</sup> trimester of pregnancy.

Rates (%) are calculated amongst those births whose start of prenatal care is known (i.e. those whose start of care is unknown or missing are excluded from the denominator). *MCFHS.*

**Preterm birth:** birth prior to 37 completed weeks of gestation. *MCFHS.*

**Low birth weight:** birth weight less than 2,500 g (approximately 5lbs, 8oz). *MCFHS.*

**Very low birth weight:** birth weight less than 1,500 g (approximately 3lbs, 5oz). *MCFHS.*

**Fetal mortality:** number of deaths of fetuses more than 20 weeks gestation per 1,000 live births and fetal deaths. *MCFHS.*

**Infant mortality:** number of deaths of infants under one year of age per 1,000 live births. *MCFHS.*

**Unintentional Injury:** ICD9 Ecodes E800-E869, E880-E929; ICD10 codes V01-X59, Y85-Y86. This generalized unintentional injury may overlap with specific indicators below, such as drowning, smoke/fire, suffocation, falls, motor vehicle or pedestrian deaths, as well as the unintentional portion of overdose/poisoning and firearm injuries. *Death, Hospital, Emergency Department.*

**Drowning:** Accidental drowning and submersion, including those caused by accident to watercraft or related to water-transport, ICD10 codes W65-W74, V90, V92. *Death.*

**Accidental exposure to smoke, fire or flame:** ICD10 codes X00-X09. *Death.*

**Unintentional suffocation:** ICD10 codes W75-W84. *Death.*

**Fall-related:** accidental falls, ICD9 Ecodes E800-E886, E888; ICD10 codes W00-W19. *Death, Hospital, Emergency Department.*

**Overdose/Poisoning:** all intents, ICD-9 Ecodes E850-E869, E950-E952, E962; ICD10 codes X40-X49, X60-X69, X85-X90, Y10-Y19, Y35.2, Y40-59, Y60-69, U01.6-U01.7. *Death, Hospital, Emergency Department.*

**Motor Vehicle Injury:** unintentional injury of anyone involved in a motor vehicle accident (collision or non-collision) on a public road, including occupants, pedestrians, and cyclists, ICD9 codes E810-819; ICD10 codes V30-V39 (.4-.9), V40-V49 (.4-.9), V50-V59 (.4-.9), V60-V69 (.4-.9), V70-V79 (.4-.9), V81.1, V82.1, V83-V86 (.0-.3), V20-V28 (.3-.9), V29 (.4-.9), V12-V14 (.3-.9), V19 (.4-.6), V02-V04 (.1, .9), V09.2, V80 (.3-.5), V87 (.0-.8), V89.2. *Death, Hospital.*

**Total Motor Vehicle Accident Injuries:** those injured in motor vehicle accidents occurring on public roads; injured may be cyclists, pedestrians or occupants of motor vehicles (such as cars, trucks, or buses). Data here is based on injuries involving a motor

vehicle in transport (in motion or readiness for motion) and is not defined by ICD codes of collision or non-collision. Data is by location of occurrence. *SWITRS*.

**Alcohol-related:** those injured in motor vehicle accidents occurring on public roads where alcohol was involved. The drinking driver need not be injured and need not be declared at fault, nor tested for being under the influence of alcohol. Data is by location of occurrence. *SWITRS*.

**Drinking Drivers:** drivers noted as drinking, involved in motor vehicle accidents occurring on public roads with injury to any party. The drinking drivers need not be injured and need not be determined to be at fault nor impaired. Data is by location of occurrence. *SWITRS*.

**Active Restraint Use:** those injured in motor vehicle accidents occurring on public roads where active restraints were used. Rates are calculated amongst those whose status of restraint use/non use was known. Data applies to those ages 6 years and older. Data is by location of occurrence. *SWITRS*.

**Child Restraint Use:** those injured in motor vehicle accidents occurring on public roads where child restraints were used. Rates are calculated amongst those whose status of restraint use/non use was known. Data applies to those ages 0-5 years. Data is by location of occurrence. *SWITRS*.

**Pedestrian injury attributed to Motor Vehicle Accidents:** unintentional injury of pedestrians involved in motor vehicle accidents on a public road, ICD9 codes E810-819(.7); ICD10 codes V02-V04 (.1, .9), V09.2. *Death, Hospital*.

**Homicide:** deaths that are intentionally inflicted by another, ICD10 codes U01-U02, X85-Y09, Y87.1. *Death*.

**Assault injury:** injuries that are intentionally inflicted by another, ICD9 codes E960-E969. *Hospital, Emergency Department*.

**Suicide:** deaths that are intentionally inflicted by self, ICD10 codes U03, X60-X84, Y87.0. *Death*.

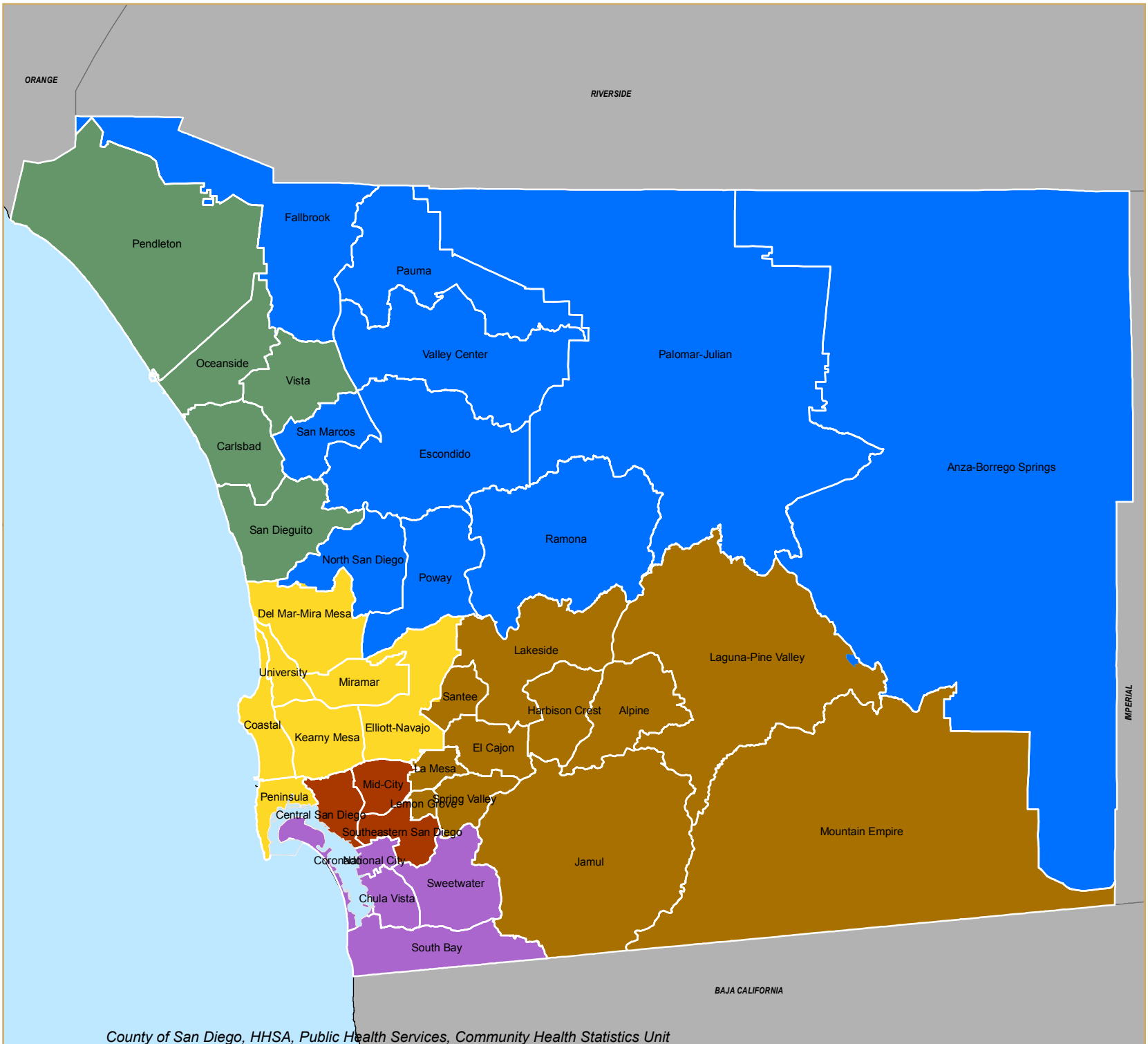
**Self-inflicted injury:** injuries that are intentionally inflicted by self, ICD9 codes E950-E959. *Hospital, Emergency Department*.

**Firearm-related:** all intents, ICD9 Ecodes E922, E955.0-E955.4, E965.0-E965.4, E970, E985.0-E985.4; ICD10 codes W32-W34, X72-X74, U01.4, X93-X95, Y22-Y24, Y35.0. *Death, Hospital, Emergency Department*.

**Dental-related:** injury as well as non-injury medical/dental primary diagnoses, ICD9 codes 521-523, 525.3, 525.9, 873.63, 873.73. *Emergency Department*.

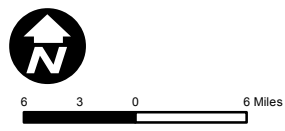
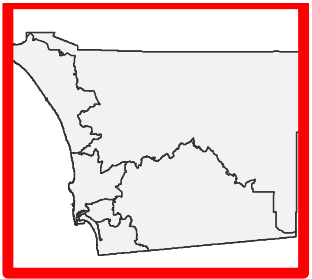
\* Providers may refer to health care providers (e.g. physicians, nurses, or hospital administrators), laboratories, or school administrators who are legally mandated to report diseases indicated in CCR, Title 17, sections 2500, 2508, and 2505.

# **SAN DIEGO COUNTY COMMUNITY PROFILE**



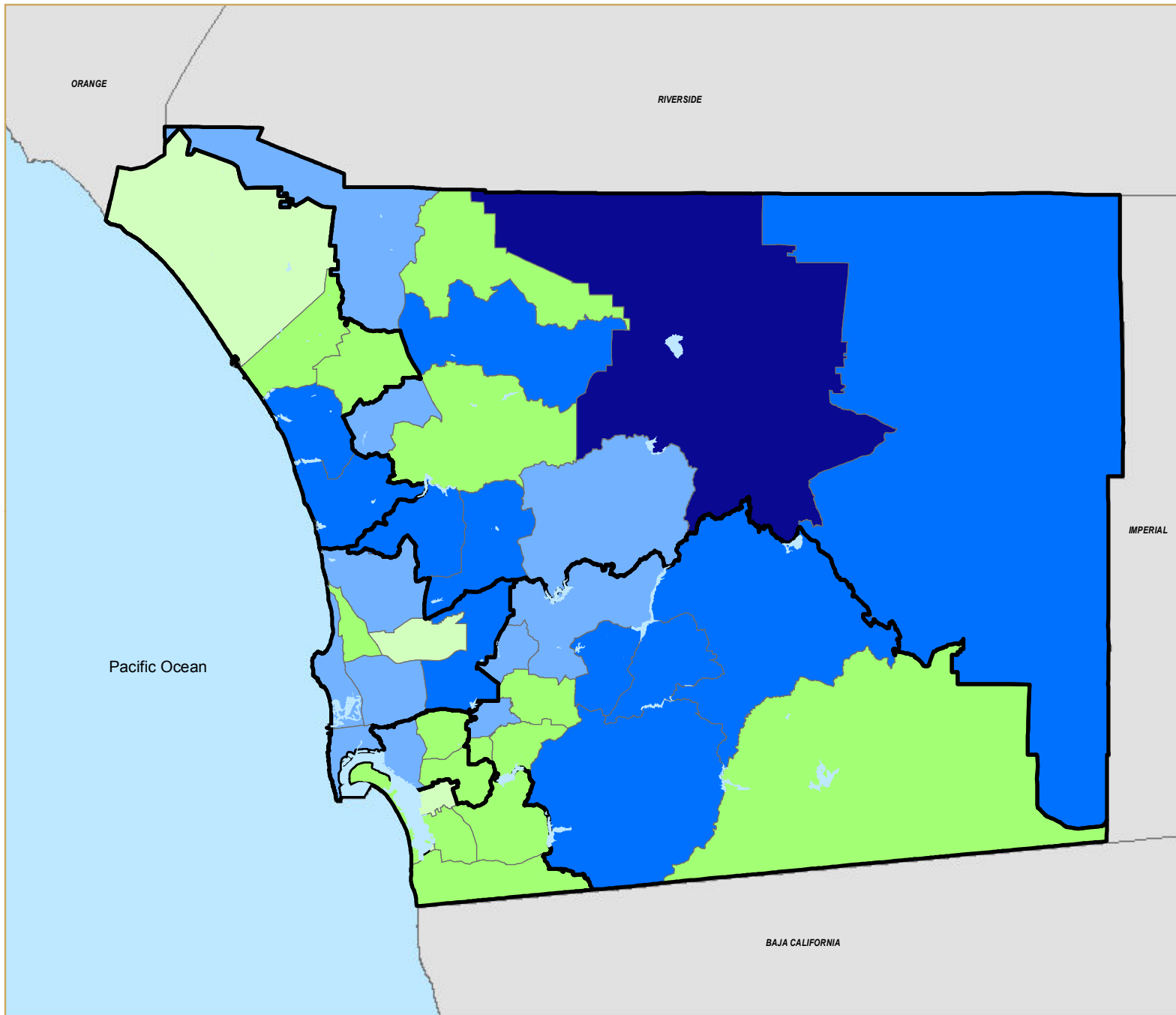
**SRA and Regional Boundaries in San Diego County**

- SRA Boundary
- Region**
- RegName**
- Central
- East
- North Central
- North Coastal
- North Inland
- South



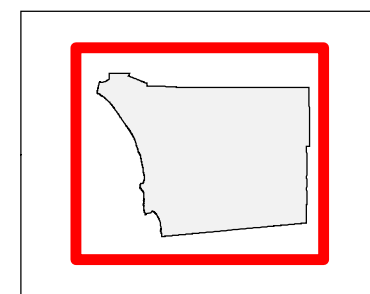
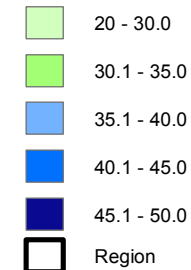
Maps Prepared by County of San Diego, HHSA, Emergency Medical Services, 619.285.6429.

NAD\_1983\_StatePlane\_California\_VI\_FIPS\_0406\_Feet\_D\_North\_American\_1983\_Foot\_US



## Median Age by Subregional Area (SRA) in San Diego County

### Median Age by SRA, 2010 Estimates\*



Map Date: 2011  
Contact: Isabel Corcos or Leslie Ray,  
County of San Diego Emergency Medical Services  
619.285.6429

NAD\_1983\_StatePlane\_California\_VI\_FIPS\_0406\_Feet,  
D\_North\_American\_1983\_Feet\_US

Page 22 of 31

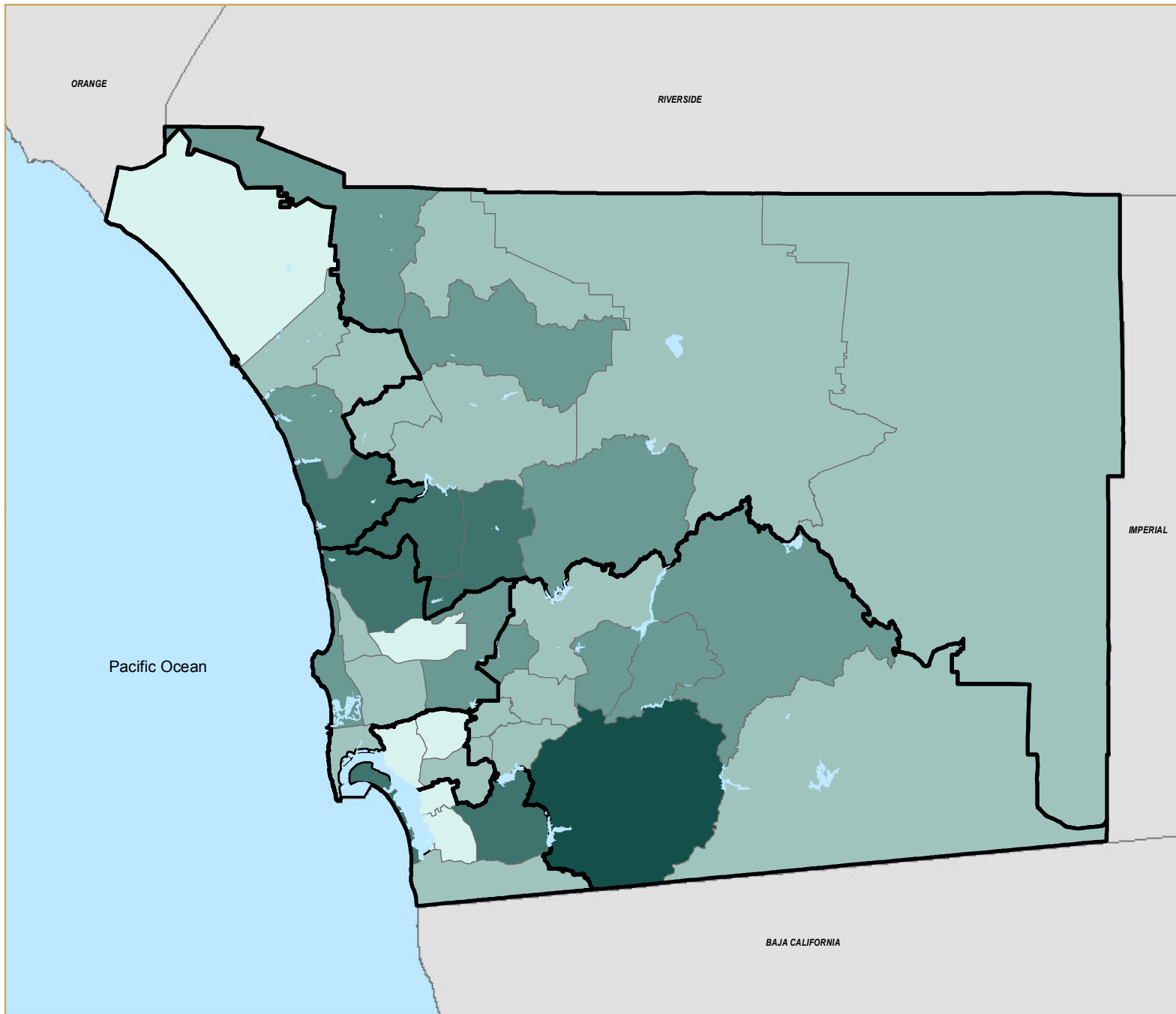
\*Data source: Demographic estimates, San Diego Assn of Governments (SANDAG). Maps Prepared by County of San Diego, HHSA, PHS, Emergency Medical Services. Contact: Isabel Corcos or Leslie Ray, 619-285-6429

County of San Diego, HHSA, Public Health Services, Community Health Statistics Unit

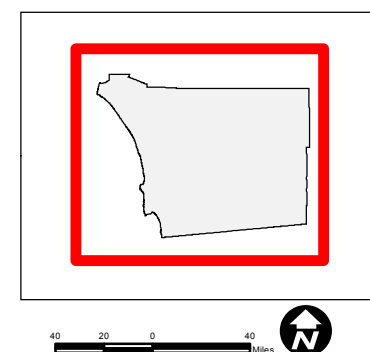
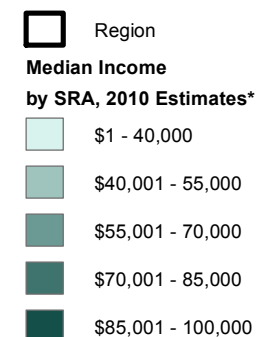
COUNTY OF SAN DIEGO  
 **HHSA**  
HEALTH AND HUMAN SERVICES AGENCY

**SanGIS**  
San Diego Geographic Information System  
4455 La Jolla Village Drive, Suite 200  
San Diego, CA 92161  
Phone: 619-594-5800  
Fax: 619-594-5801  
Email: sandag@san.gov

**SANDAG**



## Median Income by Subregional Area (SRA) in San Diego County



Map Date: 2011  
Contact: Isabel Corcos or Leslie Ray,  
County of San Diego Emergency Medical Services  
619.285.6429

NAD\_1983\_StatePlane\_California\_VI\_FIPS\_0406\_Feet,  
D\_North\_American\_1983\_Feet\_US

Page 23 of 31

\*Data source: Demographic estimates, San Diego Assn of Governments (SANDAG). Maps Prepared by County of San Diego, HHSA, PHS, Emergency Medical Services. Contact: Isabel Corcos or Leslie Ray, 619-285-6429

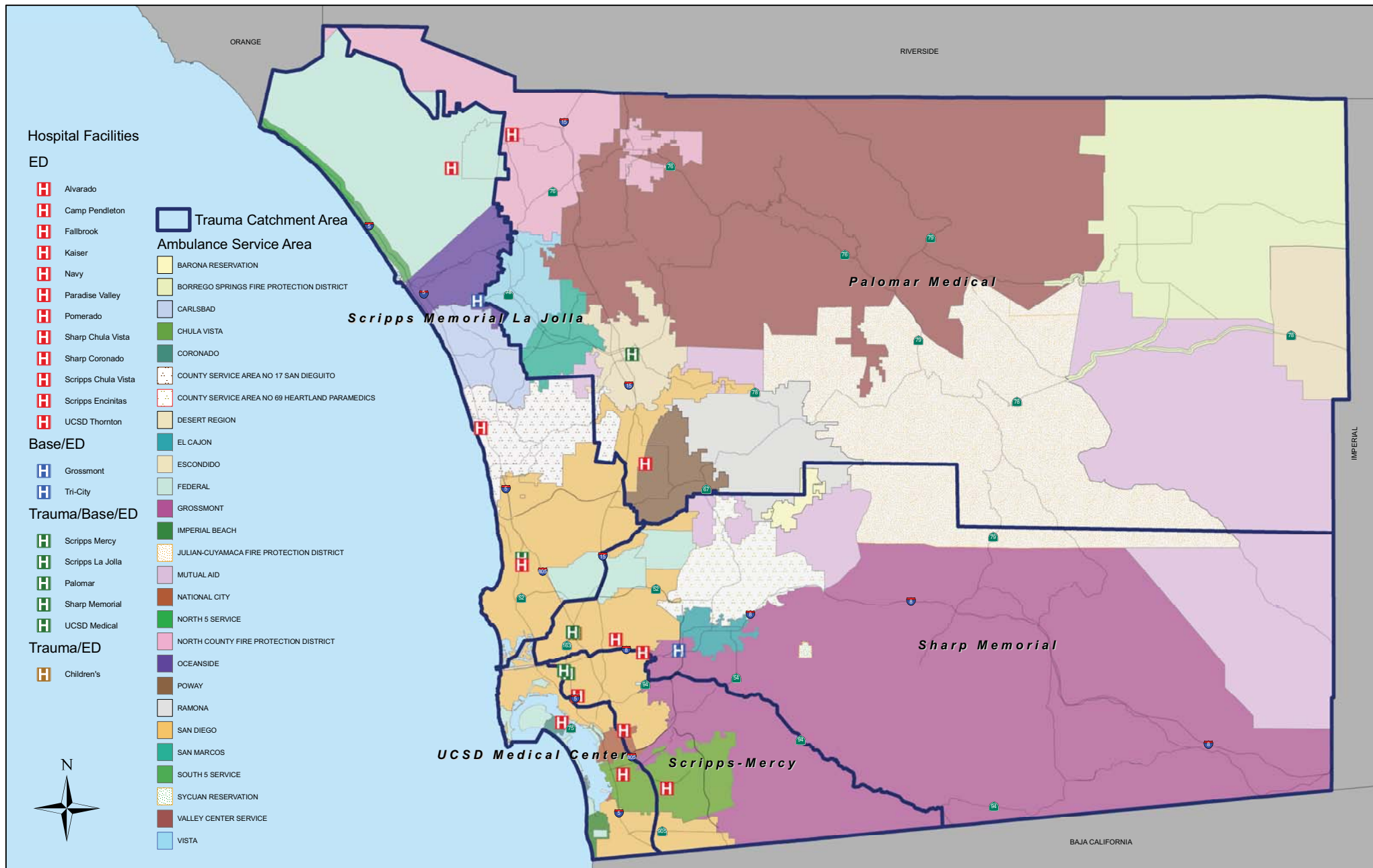
County of San Diego, HHSA, Public Health Services, Community Health Statistics Unit

COUNTY OF SAN DIEGO  
**HHSA**  
HEALTH AND HUMAN SERVICES AGENCY

SanGIS  
San Diego Geographic Information System  
4445 La Jolla Village Drive, Suite 100  
San Diego, CA 92161  
Phone: 619.594.6000  
Fax: 619.594.6001  
www.sandagis.org

**SANDAG**

# County of San Diego Medical Resources Hospitals, Trauma Catchment Areas, and Ambulance Service Areas





## Maternal &amp; Child Health

## Live Births Among San Diego County Residents by Location of Residence

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
2000	7,501	16.9%	6,367	14.4%	8,486	19.2%	7,650	17.3%	6,300	14.2%	7,865	17.8%	103	0.2%	44,272	100.0%	
2001	7,347	16.8%	6,348	14.5%	8,183	18.7%	7,834	17.9%	6,224	14.2%	7,647	17.5%	175	0.4%	43,758	100.0%	
2002	7,459	17.0%	6,370	14.5%	7,965	18.1%	7,983	18.2%	6,055	13.8%	7,934	18.1%	185	0.4%	43,951	100.0%	
2003	7,550	16.6%	6,502	14.3%	8,107	17.9%	8,221	18.1%	6,397	14.1%	8,459	18.6%	132	0.3%	45,368	100.0%	
2004	7,606	16.6%	6,633	14.5%	7,816	17.1%	8,490	18.6%	6,551	14.3%	8,563	18.7%	99	0.2%	45,758	100.0%	
2005	7,413	16.2%	6,641	14.5%	7,943	17.3%	8,660	18.9%	6,388	13.9%	8,605	18.7%	247	0.5%	45,897	100.0%	
2006	7,775	16.6%	6,843	14.6%	7,875	16.8%	8,854	18.9%	6,419	13.7%	8,926	19.0%	184	0.4%	46,876	100.0%	
2007	7,840	16.5%	7,101	14.9%	8,044	16.9%	8,830	18.6%	6,645	14.0%	8,821	18.6%	264	0.6%	47,545	100.0%	
2008	7,602	16.3%	7,053	15.1%	7,872	16.8%	8,682	18.6%	6,699	14.3%	8,618	18.4%	216	0.5%	46,742	100.0%	
2009	7,325	16.3%	6,890	15.3%	7,526	16.7%	8,306	18.5%	6,420	14.3%	8,303	18.5%	190	0.4%	44,960	100.0%	

\* % is proportion of all live births in the County for that year, by residence of mother.

Unknown here refers to the proportion of births in a particular year where mother's zip code of residence was not known.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

## Live Births to Girls, Ages 15-17, Among San Diego County Residents by Location of Residence

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
2000	202	2.7%	79	1.2%	415	4.9%	247	3.2%	161	2.6%	212	2.7%	5	4.9%	1,321	3.0%	
2001	183	2.5%	76	1.2%	334	4.1%	281	3.6%	162	2.6%	180	2.4%	7	4.0%	1,223	2.8%	
2002	169	2.3%	56	0.9%	357	4.5%	237	3.0%	149	2.5%	177	2.2%	10	5.4%	1,155	2.6%	
2003	186	2.5%	59	0.9%	332	4.1%	223	2.7%	143	2.2%	180	2.1%	8	6.1%	1,131	2.5%	
2004	159	2.1%	49	0.7%	332	4.2%	249	2.9%	162	2.5%	207	2.4%	5	5.1%	1,163	2.5%	
2005	183	2.5%	70	1.1%	352	4.4%	233	2.7%	160	2.5%	219	2.5%	8	3.2%	1,225	2.7%	
2006	166	2.1%	64	0.9%	333	4.2%	292	3.3%	148	2.3%	195	2.2%	5	2.7%	1,203	2.6%	
2007	194	2.5%	61	0.9%	351	4.4%	276	3.1%	148	2.2%	187	2.1%	9	3.4%	1,226	2.6%	
2008	169	2.2%	69	1.0%	322	4.1%	294	3.4%	165	2.5%	214	2.5%	8	3.7%	1,241	2.7%	
2009	146	2.0%	46	0.7%	289	3.8%	262	3.2%	128	2.0%	179	2.2%	8	4.2%	1,058	2.4%	

\* % is proportion of live births in a region by year, born to teens age 15-17.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

**Healthy People 2010 Target:** 90% of pregnant women beginning prenatal care in 1st trimester

**USA:** 84% of pregnant women beginning prenatal care in 1st trimester (2008) ‡

**California:** 80% of pregnant women beginning prenatal care in 1st trimester (2008) ‡

Live Births Where Mother Received Early<sup>†</sup> Prenatal Care Among San Diego County Residents by Location of Residence

Year**	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
2000	5,722	81.4%	5,802	91.8%	6,564	78.6%	6,186	81.4%	5,468	87.5%	6,274	81.5%	69	69.7%	36,085	83.2%	
2001	5,894	84.8%	5,821	92.3%	6,410	79.8%	6,418	82.5%	5,471	89.1%	5,982	82.2%	124	73.8%	36,120	84.7%	
2002	6,231	85.0%	5,814	91.8%	6,581	83.7%	6,823	85.7%	5,363	89.2%	6,537	86.7%	146	80.2%	37,495	86.8%	
2003	6,245	84.7%	5,975	92.6%	6,785	85.3%	7,277	88.9%	5,578	88.2%	7,105	88.3%	80	64.0%	39,045	87.8%	
2004	6,057	82.7%	6,118	92.8%	6,579	85.6%	7,553	89.2%	5,753	89.1%	7,160	87.4%	64	68.1%	39,284	87.7%	
2005	5,949	83.3%	6,183	93.5%	6,721	85.8%	7,707	89.2%	5,414	86.2%	7,154	86.0%	174	75.3%	39,302	87.2%	
2006	6,219	80.9%	6,392	93.6%	6,615	85.0%	7,869	89.2%	5,087	82.5%	7,412	84.7%	151	83.9%	39,745	86.0%	
2007	6,002	76.9%	6,379	90.2%	6,592	82.5%	7,581	86.2%	5,210	79.2%	7,109	80.9%	171	70.4%	39,044	82.6%	
2008	5,911	78.1%	6,254	88.9%	6,266	79.8%	7,258	83.8%	5,176	77.6%	6,851	79.7%	146	70.5%	37,862	81.3%	
2009	5,925	80.9%	6,192	89.9%	5,996	79.7%	6,924	83.4%	5,019	78.2%	6,649	80.2%	126	69.6%	36,831	82.0%	

\* % is proportion of births where mother received early prenatal care out of the total births where prenatal care start time was known, by region per year. Births with unknown start of care are not included.

† Early prenatal care is defined here as care beginning during 1st trimester of pregnancy. This does not account for frequency of care.

\*\* Beginning in 2007, "Date of first prenatal visit" was collected in addition to the "Month prenatal care began" on birth certificates. This affects comparability of statistics before and after 2007.

‡ Source: NVSS - Natality, CDC, NCHS. Online database accessed 12/27/2011: <http://wonder.cdc.gov>

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

## Maternal &amp; Child Health continued...

**Healthy People 2010 Target:** 7.6% of births born preterm

**USA:** 12.3% of live births born preterm (2008) ‡

**California:** 10.5% of live births born preterm (2008) ‡

#### Preterm Births<sup>†</sup> Among San Diego County Residents by Location of Residence

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
2000	695	10.1%	614	10.1%	968	12.1%	749	10.4%	624	10.5%	738	9.9%	<5	§	4,392	10.6%	
2001	665	9.9%	597	9.9%	955	12.4%	769	10.3%	619	10.8%	722	10.0%	29	18.1%	4,356	10.6%	
2002	742	10.7%	584	9.5%	952	12.6%	746	9.8%	679	12.1%	667	9.0%	20	12.3%	4,390	10.6%	
2003	659	9.3%	699	11.2%	943	12.3%	738	9.4%	618	10.3%	762	9.6%	21	18.4%	4,440	10.3%	
2004	753	10.6%	682	10.7%	930	12.6%	800	9.8%	740	12.0%	839	10.4%	12	13.8%	4,756	11.0%	
2005	741	10.6%	731	11.3%	1,033	13.5%	909	10.8%	678	11.2%	844	10.3%	38	16.9%	4,974	11.3%	
2006	805	10.7%	720	10.8%	963	12.7%	835	9.7%	696	11.6%	857	9.9%	22	12.4%	4,898	10.8%	
2007	774	10.1%	779	11.1%	983	12.5%	886	10.2%	752	11.7%	842	9.7%	39	15.7%	5,055	10.8%	
2008	685	9.2%	674	9.7%	911	11.7%	776	9.0%	758	11.6%	755	8.8%	30	14.5%	4,589	10.0%	
2009	648	9.0%	656	9.6%	840	11.2%	767	9.3%	730	11.5%	747	9.1%	32	17.6%	4,420	9.9%	

\* % is proportion of live births that were preterm (<37 weeks) out of total live births where length of gestation was known, by region per year.

† Preterm birth refers to birth prior to 37 completed weeks of gestation.

‡ Source: NVSS - Natality, CDC, NCHS. Online database accessed 12/27/2011: <http://wonder.cdc.gov>

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHS), Community Health Statistics, 12/12/2011.

**Healthy People 2010 Target:** 5% of live births with low birth weight

**USA:** 8.2% of live births with low birth weight (2008) ‡

**California:** 6.8% of live births with low birth weight (2008) ‡

#### Low Birth Weight Births<sup>†</sup> Among San Diego County Residents by Location of Residence

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
2000	431	5.7%	411	6.5%	576	6.8%	427	5.6%	415	6.6%	403	5.1%	5	4.9%	2,668	6.0%	
2001	428	5.8%	389	6.1%	567	6.9%	437	5.6%	375	6.0%	428	5.6%	20	11.4%	2,644	6.0%	
2002	447	6.0%	383	6.0%	521	6.5%	449	5.6%	406	6.7%	458	5.8%	18	9.7%	2,682	6.1%	
2003	433	5.7%	421	6.5%	581	7.2%	474	5.8%	367	5.7%	494	5.8%	12	9.1%	2,782	6.1%	
2004	491	6.5%	424	6.4%	538	6.9%	519	6.1%	440	6.7%	528	6.2%	13	13.1%	2,953	6.5%	
2005	439	5.9%	484	7.3%	590	7.4%	565	6.5%	429	6.7%	559	6.5%	25	10.1%	3,091	6.7%	
2006	487	6.3%	484	7.1%	555	7.0%	530	6.0%	449	7.0%	559	6.3%	15	8.2%	3,079	6.6%	
2007	510	6.5%	511	7.2%	603	7.5%	578	6.5%	467	7.0%	582	6.6%	34	12.9%	3,285	6.9%	
2008	485	6.4%	450	6.4%	553	7.0%	542	6.2%	488	7.3%	558	6.5%	16	7.4%	3,092	6.6%	
2009	455	6.2%	456	6.6%	552	7.3%	546	6.6%	420	6.5%	546	6.5%	16	8.4%	2,991	6.7%	

\* % is proportion of live births that were low birth weight (< 2500 grams) out of total live births, by region per year.

† Low birth weight refers to birth weight less than 2,500 g (approximately 5 lbs, 8 oz.)

‡ Source: NVSS - Natality, CDC, NCHS. Online database accessed 12/27/2011: <http://wonder.cdc.gov>

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHS), Community Health Statistics, 12/12/2011.

**Healthy People 2010 Target:** 0.9% of live births with very low birth weight

**USA:** 1.5% of live births with very low birth weight (2008) ‡

**California:** 1.1% of live births with very low birth weight (2008) ‡

#### Very Low Birth Weight Births<sup>†</sup> Among San Diego County Residents by Location of Residence

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
2000	86	1.1%	82	1.3%	138	1.6%	79	1.0%	91	1.4%	83	1.1%	<5	§	561	1.3%	
2001	80	1.1%	79	1.2%	102	1.2%	82	1.0%	89	1.4%	82	1.1%	6	3.4%	520	1.2%	
2002	75	1.0%	77	1.2%	100	1.3%	77	1.0%	72	1.2%	73	0.9%	<5	§	476	1.1%	
2003	63	0.8%	79	1.2%	104	1.3%	100	1.2%	68	1.1%	94	1.1%	<5	§	509	1.1%	
2004	90	1.2%	62	0.9%	105	1.3%	105	1.2%	83	1.3%	97	1.1%	<5	§	543	1.2%	
2005	90	1.2%	72	1.1%	116	1.5%	107	1.2%	78	1.2%	95	1.1%	<5	§	559	1.2%	
2006	92	1.2%	71	1.0%	105	1.3%	99	1.1%	94	1.5%	94	1.1%	<5	§	558	1.2%	
2007	74	0.9%	77	1.1%	100	1.2%	117	1.3%	84	1.3%	91	1.0%	11	4.2%	554	1.2%	
2008	104	1.4%	64	0.9%	95	1.2%	87	1.0%	90	1.3%	83	1.0%	<5	§	525	1.1%	
2009	83	1.1%	63	0.9%	96	1.3%	76	0.9%	73	1.1%	92	1.1%	<5	§	486	1.1%	

\* % is proportion of live births that were very low birth weight (<1,500 grams) out of total live births, by region per year.

† Very low birth weight refers to birth weight less than 1,500 grams (approximately 3 lbs, 5 oz.)

‡ Source: NVSS - Natality, CDC, NCHS. Online database accessed 8/13/2007: <http://wonder.cdc.gov/data2010/source.htm>

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHS), Community Health Statistics, 12/12/2011.

Maternal & Child Health continued...

**Healthy People 2010 Target:** 4.1 deaths per 1,000 live births plus fetal deaths\*

**USA:** 6.2 deaths per 1,000 live births plus fetal deaths (2005)\* ‡

**California:** 5.5 deaths per 1,000 live births plus fetal deaths (2005)\* ‡

**Fetal Mortality Among San Diego County Residents by Location of Residence**

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	
2000	40	5.3	18	2.8	44	5.2	36	4.7	28	4.4	60	7.6	<5	---	228	5.1	
2001	38	5.1	17	2.7	48	5.8	45	5.7	28	4.5	35	4.6	<5	---	213	4.8	
2002	36	4.8	19	3.0	43	5.4	39	4.9	35	5.7	34	4.3	<5	---	207	4.7	
2003	35	4.6	22	3.4	42	5.2	37	4.5	28	4.4	45	5.3	<5	---	210	4.6	
2004	41	5.4	23	3.5	50	6.4	33	3.9	24	3.7	49	5.7	<5	---	224	4.9	
2005	39	5.2	31	4.6	36	4.5	48	5.5	33	5.1	46	5.3	<5	---	233	5.1	
2006	34	4.4	36	5.2	46	5.8	39	4.4	29	4.5	52	5.8	<5	---	237	5.0	
2007	23	2.9	26	3.6	45	5.6	35	3.9	32	4.8	30	3.4	<5	---	193	4.0	
2008	37	4.8	25	3.5	42	5.3	35	4.0	25	3.7	37	4.3	<5	---	202	4.3	
2009	29	3.9	21	3.0	37	4.9	34	4.1	25	3.9	30	3.6	<5	---	177	3.9	

\* Rates are number of deaths of fetuses at least 20 complete weeks of gestation per 1,000 live births and fetal deaths. Reporting of fetal deaths is known to be incomplete.

‡ Source: NVSS - Mortality and Natality, CDC, NCHS. Online database accessed 12/27/2011: <http://wonder.cdc.gov>

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown.

Source: CA, DPH, Center for Health Statistics, Birth & Fetal Death Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

**Healthy People 2010 Target:** 4.5 infant deaths per 1,000 live births\*

**USA:** 6.8 deaths per 1,000 live births (2007)\* ‡

**California:** 5.7 deaths per 1,000 live births (2007)\* ‡

**Infant Mortality Among San Diego County Residents by Location of Residence**

Year	North Coastal		North Central		Central		South		East		North Inland		Unknown		County		County age-adjusted rate*
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	
2000	38	5.1	35	5.5	62	7.3	39	5.1	45	7.1	42	5.3	<5	---	263	5.9	
2001	39	5.3	38	6.0	59	7.2	39	5.0	41	6.6	30	3.9	<5	---	246	5.6	
2002	30	4.0	16	2.5	48	6.0	31	3.9	44	7.3	28	3.5	<5	---	197	4.5	
2003	34	4.5	29	4.5	35	4.3	34	4.1	36	5.6	40	4.7	<5	---	210	4.6	
2004	42	5.5	27	4.1	47	6.0	42	4.9	40	6.1	44	5.1	<5	---	246	5.4	
2005	40	5.4	20	3.0	45	5.7	44	5.1	28	4.4	50	5.8	<5	---	230	5.0	
2006	41	5.3	31	4.5	47	6.0	33	3.7	29	4.5	32	3.6	<5	---	215	4.6	
2007	41	5.2	30	4.2	43	5.3	58	6.6	35	5.3	33	3.7	<5	---	242	5.1	
2008	29	3.8	28	4.0	41	5.2	44	5.1	36	5.4	46	5.3	<5	---	228	4.9	
2009	30	4.1	22	3.2	48	6.4	27	3.3	30	4.7	42	5.1	<5	---	199	4.4	

\* Rates are number of deaths of infants under one year of age per 1,000 live births.

‡ Source: NVSS - Mortality and Natality, CDC, NCHS. Online database accessed 12/27/2011: <http://wonder.cdc.gov>

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where zip code is unknown.

Source: CA, DPH, Center for Health Statistics, Birth & Death Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

## Maternal &amp; Child Health Details

## Live Births Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	7,325	100.0%	6,890	100.0%	7,526	100.0%	8,306	100.0%	6,420	100.0%	8,303	100.0%	190	100.0%	44,960	100.0%	
Gender of Newborn																	
Male	3,767	51.4%	3,488	50.6%	3,849	51.1%	4,334	52.2%	3,295	51.3%	4,216	50.8%	100	52.6%	23,049	51.3%	
Female	3,558	48.6%	3,402	49.4%	3,677	48.9%	3,972	47.8%	3,125	48.7%	4,087	49.2%	89	46.8%	21,910	48.7%	
Race/Ethnicity of Mother																	
White	3,029	41.4%	3,273	47.5%	1,181	15.7%	934	11.2%	2,700	42.1%	3,101	37.3%	73	38.4%	14,291	31.8%	
Black	186	2.5%	204	3.0%	796	10.6%	222	2.7%	409	6.4%	112	1.3%	14	7.4%	1,943	4.3%	
Hispanic	2,907	39.7%	1,249	18.1%	4,054	53.9%	5,930	71.4%	2,117	33.0%	3,350	40.3%	62	32.6%	19,669	43.7%	
API†	412	5.6%	1,331	19.3%	722	9.6%	722	8.7%	301	4.7%	1,019	12.3%	10	5.3%	4,517	10.0%	
Other‡	196	2.7%	192	2.8%	181	2.4%	165	2.0%	218	3.4%	214	2.6%	7	3.7%	1,173	2.6%	
Age Group of Mother																	
0-14	<5	\$	<5	\$	12	0.2%	7	0.1%	<5	\$	7	0.1%	<5	\$	34	0.1%	
15-24	2,353	32.1%	1,089	15.8%	2,720	36.1%	2,744	33.0%	2,103	32.8%	2,161	26.0%	82	43.2%	13,252	29.5%	
25-34	3,601	49.2%	4,150	60.2%	3,611	48.0%	4,250	51.2%	3,382	52.7%	4,471	53.8%	75	39.5%	23,540	52.4%	
35+	1,367	18.7%	1,651	24.0%	1,183	15.7%	1,305	15.7%	931	14.5%	1,664	20.0%	31	16.3%	8,132	18.1%	

\* % is proportion of live births with specified characteristic out of all births in the region (or county for total).

\*\* Numbers may not add up to totals due to unknown or missing details.

† API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

## Live Births to Girls, Ages 15-17, Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	146	2.0%	46	0.7%	289	3.8%	262	3.2%	128	2.0%	179	2.2%	8	4.2%	1,058	2.4%	
Gender of Newborn																	
Male	73	1.9%	17	0.5%	147	3.8%	139	3.2%	73	2.2%	97	2.3%	6	6.0%	552	2.4%	
Female	73	2.1%	29	0.9%	142	3.9%	123	3.1%	55	1.8%	82	2.0%	<5	\$	506	2.3%	
Race/Ethnicity of Mother																	
White	10	0.3%	7	0.2%	8	0.7%	7	0.7%	21	0.8%	10	0.3%	<5	\$	66	0.5%	
Black	6	3.2%	<5	\$	18	2.3%	<5	\$	6	1.5%	<5	\$	<5	\$	41	2.1%	
Hispanic	116	4.0%	20	1.6%	228	5.6%	231	3.9%	81	3.8%	150	4.5%	<5	\$	829	4.2%	
API†	<5	0.5%	<5	\$	6	0.8%	9	1.2%	<5	\$	<5	\$	<5	\$	23	0.5%	
Other‡	<5	\$	5	2.6%	<5	\$	6	3.6%	7	3.2%	6	2.8%	<5	\$	27	2.3%	
Age Group of Mother																	
0-14																	
15-24																	
25-34																	
35+																	

\* % is proportion of teen (15-17yrs) births out of all ages live births with the specified characteristic in a region (or county for total). Denominators are based on numbers in table immediately above.

\*\* Numbers may not add up to totals due to unknown or missing details.

† API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

Live Births Where Mother Received Early<sup>†</sup> Prenatal Care Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	5,925	80.9%	6,192	89.9%	5,996	79.7%	6,924	83.4%	5,019	78.2%	6,649	80.2%	126	69.6%	36,831	82.0%	
Gender of Newborn																	
Male	3,047	80.9%	3,129	89.8%	3,032	78.8%	3,601	83.1%	2,578	78.2%	3,401	80.7%	66	68.0%	18,854	81.8%	
Female	2,878	81.0%	3,063	90.0%	2,964	80.6%	3,323	83.7%	2,441	78.1%	3,248	79.5%	59	71.1%	17,976	82.1%	
Race/Ethnicity of Mother																	
White	2,660	87.9%	3,055	93.4%	1,066	90.3%	851	91.1%	2,244	83.1%	2,740	88.4%	51	73.9%	12,667	88.7%	
Black	140	75.3%	172	84.3%	586	73.6%	187	84.2%	316	77.3%	80	72.1%	10	76.9%	1,491	76.8%	
Hispanic	2,179	75.0%	1,054	84.4%	3,133	77.3%	4,854	81.9%	1,546	73.0%	2,344	70.0%	41	67.2%	15,151	77.1%	
API†	342	83.2%	1,195	90.0%	592	82.0%	627	86.8%	237	78.7%	913	89.7%	6	66.7%	3,912	86.7%	
Other‡	156	79.6%	166	86.9%	146	80.7%	131	79.4%	171	78.4%	170	80.2%	<5	42.9%	943	80.6%	
Age Group of Mother																	
0-14	<5	\$	<5	\$	8	66.7%	<5	42.9%	<5	\$	<5	\$	<5	\$	17	50.0%	
15-24	1,675	71.2%	886	81.4%	1,998	73.5%	2,139	78.0%	1,481	70.4%	1,445	66.9%	57	71.3%	9,681	73.1%	
25-34	3,040	84.5%	3,798	91.6%	2,996	83.0%	3,646	85.8%	2,765	81.8%	3,754	84.1%	44	62.9%	20,043	85.2%	
35+	1,207	88.4%	1,508	91.4%	994	84.0%	1,136	87.0%	772	82.9%	1,448	87.0%	25	80.6%	7,090	87.2%	

\* % is proportion of births where mother received early prenatal care out of the total births where prenatal care start time was known, by region (or county for total). Births with unknown start of care are not included.

† Early prenatal care is defined here as care beginning during 1st trimester of pregnancy. This does not account for frequency of care.

‡ Beginning in 2007, "Date of first prenatal visit" was collected in addition to the "Month prenatal care began" on birth certificates. This affects comparability of statistics before and after 2007.

\*\* Numbers may not add up to totals due to unknown or missing details.

† API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

## Maternal &amp; Child Health Details continued...

Preterm Births<sup>†</sup> Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	648	9.0%	656	9.6%	840	11.2%	767	9.3%	730	11.5%	747	9.1%	32	17.6%	4,420	9.9%	
Gender of Newborn																	
Male	359	9.7%	341	9.8%	424	11.0%	407	9.4%	418	12.8%	385	9.2%	19	20.0%	2,353	10.3%	
Female	289	8.2%	315	9.3%	416	11.4%	360	9.1%	312	10.1%	362	8.9%	13	15.1%	2,067	9.5%	
Race/Ethnicity of Mother																	
White	244	8.2%	284	8.7%	119	10.1%	103	11.1%	282	10.5%	264	8.6%	10	14.7%	1,306	9.2%	
Black	21	11.7%	28	13.7%	103	13.0%	31	14.0%	57	14.1%	11	10.0%	<5	\$	255	13.2%	
Hispanic	245	8.5%	109	8.8%	444	11.0%	486	8.2%	218	10.4%	282	8.5%	10	16.1%	1,794	9.2%	
API‡	45	11.1%	140	10.6%	81	11.3%	83	11.5%	45	15.1%	95	9.4%	<5	\$	491	10.9%	
Other‡	21	10.9%	17	8.9%	19	10.7%	16	9.8%	27	12.6%	23	10.9%	<5	\$	123	10.6%	
Age Group of Mother																	
0-14	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	
15-24	197	8.5%	96	8.9%	286	10.5%	244	8.9%	223	10.7%	168	7.8%	13	16.3%	1,227	9.3%	
25-34	268	7.5%	347	8.4%	398	11.1%	363	8.6%	354	10.6%	391	8.8%	7	9.6%	2,128	9.1%	
35+	183	13.5%	213	12.9%	155	13.2%	160	12.3%	153	16.5%	188	11.4%	12	41.4%	1,064	13.2%	

\* % is proportion of live births that were preterm (<37 weeks) out of live births with known length of gestation, by region (or county for total).

† Preterm birth refers to birth prior to 37 completed weeks of gestation.

\*\* Numbers may not add up to totals due to unknown or missing details.

‡ API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

Low Birth Weight Births<sup>†</sup> Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	455	6.2%	456	6.6%	552	7.3%	546	6.6%	420	6.5%	546	6.6%	16	8.4%	2,991	6.7%	
Gender of Newborn																	
Male	224	5.9%	213	6.1%	250	6.5%	249	5.7%	210	6.4%	257	6.1%	9	9.0%	1,412	6.1%	
Female	231	6.5%	243	7.1%	302	8.2%	297	7.5%	210	6.7%	289	7.1%	7	7.9%	1,579	7.2%	
Race/Ethnicity of Mother																	
White	159	5.2%	189	5.8%	88	7.5%	70	7.5%	158	5.9%	174	5.6%	7	9.6%	845	5.9%	
Black	19	10.2%	20	9.8%	84	10.6%	23	10.4%	52	12.7%	10	8.9%	<5	\$	209	10.8%	
Hispanic	187	6.4%	68	5.4%	252	6.2%	344	5.8%	110	5.2%	208	6.2%	<5	\$	1,173	6.0%	
API‡	40	9.7%	102	7.7%	54	7.5%	70	9.7%	27	9.0%	90	8.8%	<5	\$	383	8.5%	
Other‡	14	7.1%	14	7.3%	15	8.3%	8	4.8%	11	5.0%	13	6.1%	<5	\$	75	6.4%	
Age Group of Mother																	
0-14	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	
15-24	139	5.9%	69	6.3%	196	7.2%	175	6.4%	116	5.5%	126	5.8%	6	7.3%	827	6.2%	
25-34	193	5.4%	253	6.1%	256	7.1%	253	6.0%	209	6.2%	288	6.4%	<5	\$	1,455	6.2%	
35+	123	9.0%	134	8.1%	99	8.4%	118	9.0%	95	10.2%	132	7.9%	7	22.6%	708	8.7%	

\* % is proportion of low birth weight (< 2500 grams) out of total live births, by region (or county for total).

† Low birth weight refers to birth weight less than 2,500 g (approximately 5 lbs, 8 oz.)

\*\* Numbers may not add up to totals due to unknown or missing details.

‡ API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

Very Low Birth Weight Births<sup>†</sup> Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	No.	%*	
Total**	83	1.1%	63	0.9%	96	1.3%	76	0.9%	73	1.1%	92	1.1%	<5	\$	486	1.1%	
Gender of Newborn																	
Male	38	1.0%	37	1.1%	57	1.5%	36	0.8%	40	1.2%	47	1.1%	<5	\$	256	1.1%	
Female	45	1.3%	26	0.8%	39	1.1%	40	1.0%	33	1.1%	45	1.1%	<5	\$	230	1.0%	
Race/Ethnicity of Mother																	
White	23	0.8%	25	0.8%	7	0.6%	7	0.7%	25	0.9%	33	1.1%	<5	\$	122	0.9%	
Black	<5	\$	5	2.5%	22	2.8%	5	2.3%	9	2.2%	<5	\$	<5	\$	47	2.4%	
Hispanic	36	1.2%	16	1.3%	42	1.0%	49	0.8%	20	0.9%	33	1.0%	<5	\$	197	1.0%	
API‡	9	2.2%	8	0.6%	7	1.0%	10	1.4%	<5	\$	8	0.8%	<5	\$	45	1.0%	
Other‡	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	5	\$	<5	\$	18	1.5%	
Age Group of Mother																	
0-14	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	<5	\$	
15-24	24	1.0%	12	1.1%	29	1.1%	22	0.8%	19	0.9%	18	0.8%	<5	\$	125	0.9%	
25-34	31	0.9%	36	0.9%	46	1.3%	33	0.8%	35	1.0%	45	1.0%	<5	\$	226	1.0%	
35+	28	2.0%	15	0.9%	21	1.8%	21	1.6%	19	2.0%	29	1.7%	<5	\$	135	1.7%	

\* % is proportion of very low birth weight (<1,500 grams) out of total live births, by region (or county for total).

† Very low birth weight refers to birth weight less than 1,500 grams (approximately 3 lbs, 5 oz.)

\*\* Numbers may not add up to totals due to unknown or missing details.

‡ API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Percents not calculated for fewer than 5 events.

Source: CA, DPH, Center for Health Statistics, Birth Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

Maternal & Child Health Details continued...

Fetal Mortality Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	
Total**	29	3.9	21	3.0	37	4.9	34	4.1	25	3.9	30	3.6	<5	---	177	3.9	
Gender of Newborn																	
Male	11	2.9	9	2.6	22	5.7	18	4.1	12	3.6	20	4.7	<5	---	92	4.0	
Female	18	5.0	12	3.5	15	4.1	16	4.0	13	4.1	10	2.4	<5	---	85	3.9	
Race/Ethnicity of Mother																	
White	8	2.6	12	3.7	<5	§	<5	§	9	3.3	15	4.8	<5	---	49	3.4	
Black	5	26.2	<5	§	7	8.7	<5	§	<5	§	<5	§	<5	---	16	8.2	
Hispanic	14	4.8	<5	§	14	3.4	27	4.5	8	3.8	14	4.2	<5	---	79	4.0	
API‡	<5	§	6	4.5	8	11.1	<5	§	<5	§	<5	§	<5	---	19	4.2	
Other‡	<5	§	<5	§	<5	§	<5	§	<5	§	<5	§	<5	---	<5	§	
Age Group of Mother																	
0-14	<5	§	<5	§	<5	§	<5	§	<5	§	<5	§	<5	---	<5	§	
15-24	16	6.8	<5	§	11	4.0	10	3.6	11	5.2	10	4.6	<5	---	63	4.7	
25-34	9	2.5	11	2.6	18	5.0	17	4.0	9	2.7	12	2.7	<5	---	76	3.2	
35+	<5	§	6	3.6	6	5.0	7	5.3	<5	4.3	7	4.2	<5	---	34	4.2	

\* Rates are number of deaths of fetuses at least 20 complete weeks of gestation per 1,000 live births and fetal deaths. Reporting of fetal deaths is known to be incomplete.

\*\* Numbers may not add up to totals due to unknown or missing details.

‡ API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where mother's zip code of residence is unknown.

Source: CA, DPH, Center for Health Statistics, Birth & Fetal Death Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

Infant Mortality Among San Diego County Residents by Location of Residence, 2009 Detail

	North Coastal		North Central		Central		South		East		North Inland		Unknown <sup>§</sup>		County		County age-adjusted rate*
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	
Total**	30	4.1	22	3.2	48	6.4	27	3.3	30	4.7	42	5.1	<5	---	199	4.4	
Gender of Newborn																	
Male	13	3.5	9	2.6	27	7.0	16	3.7	16	4.9	19	4.5	<5	---	100	4.3	
Female	17	4.8	13	3.8	21	5.7	11	2.8	14	4.5	23	5.6	<5	---	99	4.5	
Race/Ethnicity‡																	
White	9	3.0	8	2.4	<5	§	<5	§	9	3.3	13	4.2	<5	---	45	3.1	
Black	<5	§	<5	§	10	12.6	<5	§	5	12.2	<5	§	<5	---	24	12.4	
Hispanic	15	5.2	5	4.0	24	5.9	18	3.0	9	4.3	20	6.0	<5	---	91	4.6	
API‡	<5	§	6	4.5	5	6.9	<5	§	<5	§	<5	§	<5	---	18	4.0	
Other‡	<5	§	<5	§	<5	§	<5	§	<5	§	5	23.4	<5	---	18	15.3	
Age Group of Mother - n/a																	
0-14																	
15-24																	
25-34																	
35+																	

\* Rates are number of deaths of infants under one year of age per 1,000 live births.

‡ No. based on Race/Ethnicity of infant, while rate is based on both infant's and mother's Race/Ethnicity

\*\* Numbers may not add up to totals due to unknown or missing details.

‡ API includes Asian, Pacific Islanders, Native Hawaiian. Other includes 2 or more races, Native American/Alaskan Native, American Indian, or other. Unknown not included.

§ Rates not calculated for fewer than 5 events. Rates not calculated in cases where infant's or mother's zip code of residence is unknown.

Source: CA, DPH, Center for Health Statistics, Birth & Death Statistical Master Files. County of San Diego, Health & Human Services Agency, Maternal, Child and Family Health Services.

Prepared by County of San Diego (CoSD), Health & Human Services Agency (HHSA), Community Health Statistics, 12/12/2011.

***For more information, contact the  
Community Health Statistics Unit:***

Alicia Sampson, Epidemiologist & Statistician  
Leslie Upledger Ray, Senior Epidemiologist  
Community Health Statistics Located at Emergency Medical Services  
6255 Mission Gorge Road, San Diego, CA 92120  
[alicia.sampson@sdcounty.ca.gov](mailto:alicia.sampson@sdcounty.ca.gov)  
[leslie.ray@sdcounty.ca.gov](mailto:leslie.ray@sdcounty.ca.gov)

[www.SDHealthStatistics.com](http://www.SDHealthStatistics.com)